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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/607,090 06/25/2003		Atsushi Mukoyama	NECU 20.463	5422	
26304 75	90 02/28/2005	EXAMINER			
KATTEN MUCHIN ZAVIS ROSENMAN			A, MINH D		
575 MADISON		ART UNIT	PAPER NUMBER		
NEW YORK, NY 10022-2585			2821		
		DATE MAILED: 02/28/2005			

Please find below and/or attached an Office communication concerning this application or proceeding.

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•		Applica	ition No.	Applicant(s)				
Office Action Summary		10/607	,090	MUKOYAMA, ATSUSHI				
		Examin	er	Art Unit				
		Minh D	Α	.2821				
Period fo	The MAILING DATE of this communic or Reply	ation appears on t	he cover sheet with the d	correspondence add	iress			
THE   - Exter after - If the - If NO - Failu Any I	ORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNIC ansions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this communication period for reply specified above is less than thirty (30) period for reply is specified above, the maximum stature to reply within the set or extended period for reply within the set or extended peri	ATION. 37 CFR 1.136(a). In no ication. days, a reply within the story period will apply and il, by statute, cause the a	event, however, may a reply be tir tatutory minimum of thirty (30) day will expire SIX (6) MONTHS from pplication to become ABANDONE	mely filed  /s will be considered timely.  In the mailing date of this core  ED (35 U.S.C. § 133).				
Status								
1)🖂	1) Responsive to communication(s) filed on 25 June 2003.							
2a)□								
3)□								
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims		·					
4)⊠	Claim(s) 1-12 is/are pending in the app	olication.						
	4a) Of the above claim(s) is/are withdrawn from consideration.							
· -	Claim(s) is/are allowed.							
· · · · · · · · · · · · · · · · · · ·	6)⊠ Claim(s) <u>1-12</u> is/are rejected.							
_	7) Claim(s) is/are objected to.							
8)∐	Claim(s) are subject to restriction	on and/or election	requirement.					
Applicati	on Papers							
9)□	The specification is objected to by the	Examiner.						
10)	10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11)	Replacement drawing sheet(s) including the The oath or declaration is objected to be	·		-	* *			
Priority u	ınder 35 U.S.C. § 119							
a)[	Acknowledgment is made of a claim fo  All b) Some * c) None of:  1. Certified copies of the priority do  3. Copies of the certified copies of application from the Internationalise the attached detailed Office action	ocuments have be ocuments have be the priority docur all Bureau (PCT R	een received. een received in Applicati nents have been receive ule 17.2(a)).	ion No ed in this National S	Stage			
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Attachment	` '		,, <u> </u>	(070.445)				
2)  Notice 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTC nation Disclosure Statement(s) (PTO-1449 or PT · No(s)/Mail Date	•	4)  Interview Summary Paper No(s)/Mail D: 5)  Notice of Informal P 6)  Other:	ate	152)			
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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-12 are rejected under 35 U.S.C. 102(b) as being unpatentable by Taicher (US 6,586,931).

Regarding claims 1 and 7, Taicher discloses NMR logging comprising at least two elements (13 and 15), each of the at least two elements (13 and 15) having a coil shape, each coil shape having a diameter different than the other coil shape and a case (11) for covering said elements (13 and 15) having the coil shape, wherein said case (11) has one opening parts within the range keeping the durability of the body of said case (11). See figures 1-3, col.6, lines 10-67 to col.7, lines 1-26.

Regarding claims 2 and 8, Taicher discloses at least one of said plural opening parts is formed in said case at the position near the part where a current flowing in said elements is large. See figures 1-3.

Regarding claims 3 and 9, Taicher discloses said elements are connected in parallel, and at least one of said opening parts is formed at the position near the part where said elements are jointed. See figures 1-3.

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Regarding claims 4 and 10, Taicher discloses at least one of said opening parts is formed at the position near the part where a power supply point to said elements is formed. See figures 1-3.

Regarding claims 5 and 11, Taicher discloses wherein a door is formed at the position of each of said plural opening parts, and said door is opened when it is required. See figures 1-3..

Regarding claims 6 and 12, Taicher discloses said case is made of a resin. See figures 1-3.

## Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Ermulu et al. (US 6,232,929) and Ando et al. (US 6,373,708) are cited to show an antenna.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Minh A whose telephone number is (571) 272-1817. The examiner can normally be reached on M-F (5:30 –2:30 PM).

If attempts to reach the examiner by telephone is unsuccessful, the examiner's supervisor, Don Wong, can be reached on (571) 272-1834. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306 for regular communications and (703) 872-9319 for final communications.

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Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist whose telephone number is (571) 272-1553.

Examiner

Minh A

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2/20/05

Supervisory Patent Examiner Technology Center 2800